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**Listing of Claims:**

1. (Currently Amended) A network element ~~arranged to act function~~ between a first IP based network and a second packet data network, said element comprising:

a first interface ~~arranged~~ configured to communicate with said first IP based network using an IP protocol to receive signals from and send signals to the first network, said first IP based network being a private computer based network comprising wireless capabilities that are implemented in a cellular communications terminal, said interface being ~~arranged so~~ configured such that traffic intended for a user within said first IP based network from another user within said first network can occur without any signaling occurring externally of said first network; and

a second interface ~~arranged~~ configured to communicate with said second network via an IP based connection to receive signals from and send signals to the second packet data network.

2. (Previously Presented) The network element of claim 1, wherein said first interface uses a tunneling protocol to communicate with the first IP based network.

3. (Previously Presented) The network element of claim 2, wherein said tunneling protocol is one of L2TP and GTP.

4. (Currently Amended) The network element ~~network element~~ of claim 1, wherein said second packet data network is a GPRS network and said network element incorporates serving GPRS support node and gateway GPRS support node functionality.

5. (Previously Presented) The network element of claim 1, wherein said second interface includes at least one of the following layers in a protocol stack of the second interface MAP, TCAP, UDP and IP.

6. (Previously Presented) The network element of claim 1, wherein said second interface is arranged to communicate with a gateway element of said second packet data network.

7. (Previously Presented) The network element of claim 1, wherein the first interface uses an LDAP protocol to communicate with at least one element of said first IP based network.

8. (Previously Presented) A communications system comprising a first IP based network and a second packet data network, said first and second networks being connected by the network element of claim 1.

9. (Previously Presented) The system of claim 8, wherein said second packet data network is connected to said network element by a border gateway.

10. (Previously Presented) The system of claim 9 wherein said border gateway and said network element are connected by a tunnel.

11. (Previously Presented) The system of claim 9, wherein said second packet data network is connected to said network element by a virtual private network.

12. (Previously Presented) The system of claim 8, wherein at least one of said first and second networks at least partially comprises a wireless communication part.

13. (Previously Presented) The system of claim 12, wherein the wireless communication part uses the GSM standard.

14. (Previously Presented) The system of claim 12, wherein said second packet data network is general packet radio service network.

15. (Previously Presented) The system of claim 8, wherein said first IP based network is a WIO network.

16. (Previously Presented) The system of claim 8, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

17. (Previously Presented) The system of claim 16, wherein said register complies with an LDAP protocol.

18. (Previously Presented) The system of claim 8, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

19. (Previously Presented) The system of claim 16, wherein said register stores information relating to user configurations.

20. (Previously Presented) The system of claim 8, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second packet data network and vice versa.

21. (Previously Presented) The system of claim 8, wherein dual mode terminals are provided to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

22. (Previously Presented) The system of claim 8, wherein said network element is part of said first IP based network.

23. (Previously Presented) The system of claim 2, wherein said second packet data network is a GPRS network and said network element incorporates serving GPRS support node and gateway GPRS support node functionality.

24. (Previously Presented) The system of claim 3, wherein said second network is a GPRS network and said network element incorporates serving GPRS support node and gateway GPRS support node functionality.

25. (Previously Presented) The system of claim 2, wherein said second interface includes at least one of the following layers in a protocol stack of the second interface MAP, TCAP, UDP and IP.

26. (Previously Presented) The system of claim 3, wherein said second interface includes at least one of the following layers in a protocol stack of the second interface MAP, TCAP, UDP and IP.

27. (Previously Presented) The system of claim 4, wherein said second interface includes at least one of the following layers in a protocol stack of the second interface MAP, TCAP, UDP and IP.

28. (Currently Amended) The network element of claim 2, wherein said second interface is ~~arranged~~ configured to communicate with a gateway element of said second network.

29. (Currently Amended) The network element of claim 3, wherein said second interface is ~~arranged~~ configured to communicate with a gateway element of said second network.

30. (Currently Amended) The network element of claim 4, wherein said second interface is ~~arranged~~ configured to communicate with a gateway element of said second network.

31. (Currently Amended) The network element of claim 5, wherein said second interface is ~~arranged~~ configured to communicate with a gateway element of said second network.

32. (Previously Presented) The network element of claim 2, wherein the first interface uses an LDAP protocol to communicate with at least one element of said first IP based network.

33. (Previously Presented) The network element of claim 3, wherein the first interface uses an LDAP protocol to communicate with at least one element of said first IP based network.

34. (Previously Presented) The network element of claim 4, wherein the first interface uses an LDAP protocol to communicate with at least one element of said first IP based network.

35. (Previously Presented) The network element of claim 5, wherein the first interface uses an LDAP protocol to communicate with at least one element of said first IP based network.

36. (Previously Presented) The network element of claim 6, wherein the first interface uses an LDAP protocol to communicate with at least one element of said first IP based network.

37. (Previously Presented) The system of claim 9, wherein at least one of said first and second networks at least partially comprises a wireless communication part.

38. (Previously Presented) The system of claim 10, wherein at least one of said first and second networks at least partially comprises a wireless communication part.

39. (Previously Presented) The system of claim 11, wherein at least one of said first and second networks at least partially comprises a wireless communication part.

40. (Previously Presented) The system of claim 9, wherein said first network is a WIO network.

41. (Previously Presented) The system of claim 10, wherein said first network is a WIO network.

42. (Previously Presented) The system of claim 11, wherein said first network is a WIO network.

43. (Previously Presented) The system of claim 12, wherein said first IP based network is a WIO network.

44. (Previously Presented) The system of claim 13, wherein said first IP based network is a WIO network.

45. (Previously Presented) The system of claim 14, wherein said first IP based network is a WIO network.

46. (Previously Presented) The system of claim 9, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

47. (Previously Presented) The system of claim 10, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

48. (Previously Presented) The system of claim 11, wherein first said IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

49. (Previously Presented) The system of claim 12, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

50. (Previously Presented) The system of claim 13, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

51. (Previously Presented) The system of claim 14, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

52. (Previously Presented) The system of claim 15, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

53. (Previously Presented) The system of claim 9, wherein said first IP based network comprises a register for storing information relating to users in said first IP based network, said register being arranged to be connected to said network element.

54. (Previously Presented) The system of claim 10, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

55. (Previously Presented) The system of claim 11, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

56. (Previously Presented) The system of claim 12, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

57. (Previously Presented) The system of claim 13, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

58. (Previously Presented) The system of claim 14, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

59. (Previously Presented) The system of claim 15, wherein said second packet data network comprises a register for storing information relating to users in the first IP based network, said register being accessible by said network element.

60. (Previously Presented) The system of claim 17, wherein said register stores information relating to user configurations.

61. (Previously Presented) The system of claim 18, wherein said register stores information relating to user configurations.

62. (Previously Presented) The system of claim 9, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

63. (Previously Presented) The system of claim 10, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.



64. (Previously Presented) The system of claim 11, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

65. (Previously Presented) The system of claim 12, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

66. (Previously Presented) The system of claim 13, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

67. (Previously Presented) The system of claim 14, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

68. (Previously Presented) The system of claim 15, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

69. (Previously Presented) The system of claim 16, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

70. (Previously Presented) The system of claim 17, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

71. (Previously Presented) The system of claim 18, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

72. (Previously Presented) The system of claim 19, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first IP based network to provide compatibility with said second network and vice versa.

73. (Currently Amended) The system of claim 9, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

74. (Currently Amended) The system of claim 10, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

75. (Currently Amended) The system of claim 11, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ arranged to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

76. (Currently Amended) The system of claim 12, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

77. (Currently Amended) The system of claim 13, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

78. (Currently Amended) The system of claim 14, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

79. (Currently Amended) The system of claim 15, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

80. (Currently Amended) The system of claim 16, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

81. (Currently Amended) The system of claim 17, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

82. (Currently Amended) The system of claim 18, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

83. (Currently Amended) The system of claim 19, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

84. (Currently Amended) The system of claim 20, wherein the cellular communications terminal is a dual mode terminal ~~terminals are provided~~ configured to permit a user to use a wireless local area network mode in the first IP based network and a GPRS mode in the second packet data network.

85. (Previously Presented) The system of claim 9, wherein said network element comprises part of said first IP based network.

86. (Previously Presented) The system of claim 10, wherein said network element comprises part of said first IP based network.

87. (Previously Presented) The system of claim 11, wherein said network element comprises part of said first IP based network.

88. (Previously Presented) The system of claim 12, wherein said network element comprises part of said first IP based network.

89. (Previously Presented) The system of claim 13, wherein said network element comprises part of said first IP based network.

90. (Previously Presented) The system of claim 14, wherein said network element comprises part of said first IP based network.

91. (Previously Presented) The system of claim 15, wherein said network element comprises part of said first IP based network.

92. (Previously Presented) The system of claim 16, wherein said network element comprises part of said first IP based network.

93. (Previously Presented) The system of claim 17, wherein said network element comprises part of said first IP based network.

94. (Previously Presented) The system of claim 18, wherein said network element comprises part of said first IP based network.

95. (Previously Presented) The system of claim 19, wherein said network element comprises part of said first IP based network.

96. (Previously Presented) The system of claim 20, wherein said network element comprises part of said first IP based network.

97. (Previously Presented) The system of claim 21, wherein said network element comprises part of said first IP based network.